

# Enterprise/Pro Update Procedure

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### FCC Compliance

This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any change or modification to this product voids the user's authority to operate per FCC Part 15 Subpart A. Section 15.21 regulations.

### Industry Canada Compliance

This device complies with Industry Canada License-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This device has been designed to operate with a variety of different gain (dBi). The reader maximum output power is set by the gain of the antenna. Using an antenna having a higher gain is strictly prohibited per regulations of Industry Canada. In addition, using the reader at a power exceeding the maximum output power for a given antenna is also strictly prohibited. The required antenna impedance is 50 ohms. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

### Conformité d'Industrie Canada

Cet appareil est conforme aux normes RSS exemptées de licence d'Industrie Canada. L'opération est soumise aux deux conditions suivantes : (1) cet appareil ne doit pas provoquer d'interférence et (2) cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil. Cet appareil a été conçu pour fonctionner avec une variété de gains différents (dBi). La puissance de sortie maximale du lecteur est définie par le gain de l'antenne. L'utilisation d'une antenne ayant un gain plus élevé est strictement interdite par règlement d'Industrie Canada. En outre, l'utilisation du lecteur à une puissance supérieure à la puissance de sortie maximale pour une antenne donnée est également strictement interdite. L'impédance d'antenne requise est de 50 ohms. Afin de réduire les interférences radio potentielles avec d'autres utilisateurs, le type d'antenne et son gain devraient être choisis de manière à ce que la puissance éloignée isotropiquement (EIRP) équivalente soit supérieure à celle requise pour une communication réussie.

### Caution

Reader antennas should be positioned so that personnel in the area for prolonged periods may safely remain at least 31 cm (12.2 in) in an uncontrolled environment from the antenna's surface. See FCC OET Bulletin 56 "Hazards of radio frequency and electromagnetic fields" and Bulletin 65 "Human exposure to radio frequency electromagnetic fields."

### Vorsicht

Reader Antennen sollten so positioniert werden, dass das Personal im Bereich über einen längeren Zeitraum kann sicher bleiben mindestens 31 cm (12.2 Zoll) entfernt von der Antenne Oberfläche, in einer unkontrollierten Umgebung. Siehe FCC OET Bulletin 56 "Gefahren der Radiofrequenz und elektromagnetische Felder" und Bulletin 65 "Human Exposition gegenüber hochfrequenten elektromagnetischen Feldern."

## Revision History

Version	Author	Date	Changes
1.0	J. Major	Mar 2021	Initial Document

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## CHAPTER 1 Introduction

The document describes the upgrade procedure for the SensThys Pro and Enterprise reader.

The output of this process is that your reader will be brought fully up to date with the latest offerings from SensThys.

## Chapter 2 Install

### Step 1 Launch the RFID Console

Launch the SensThys RFID Console, which can be found at SensThys.com. You can then easily find the IP Address.

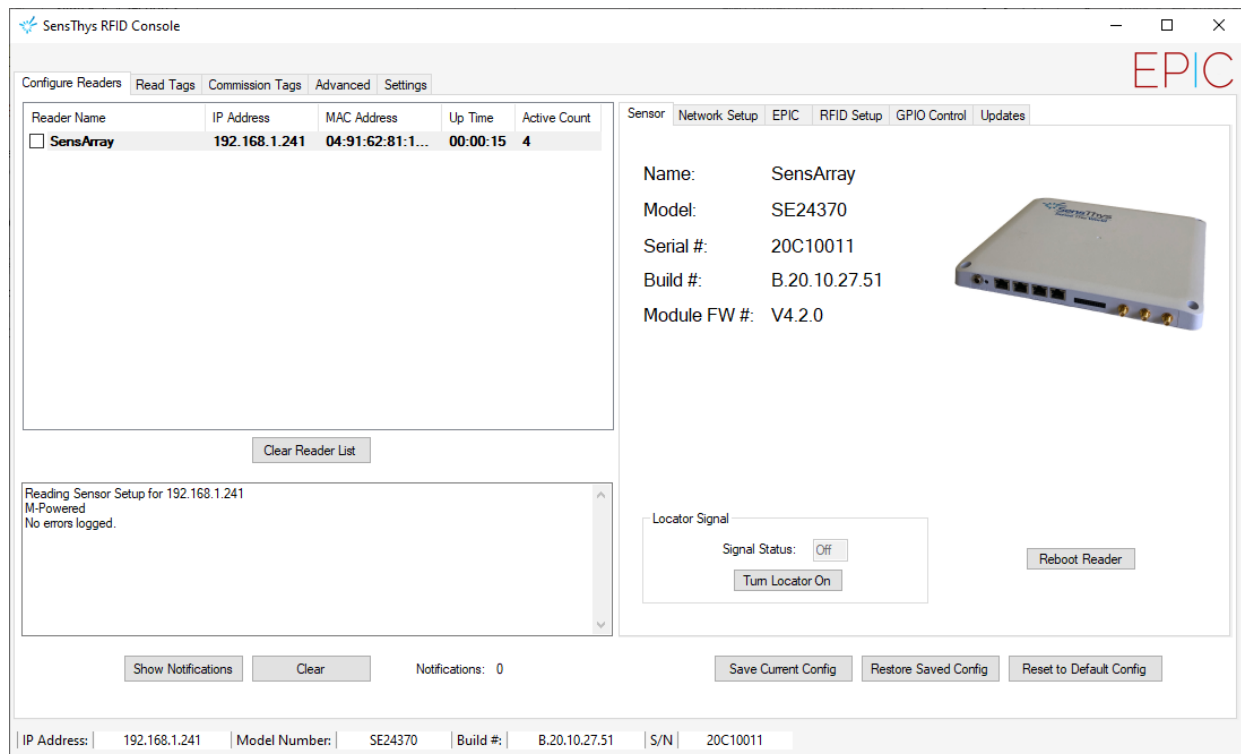
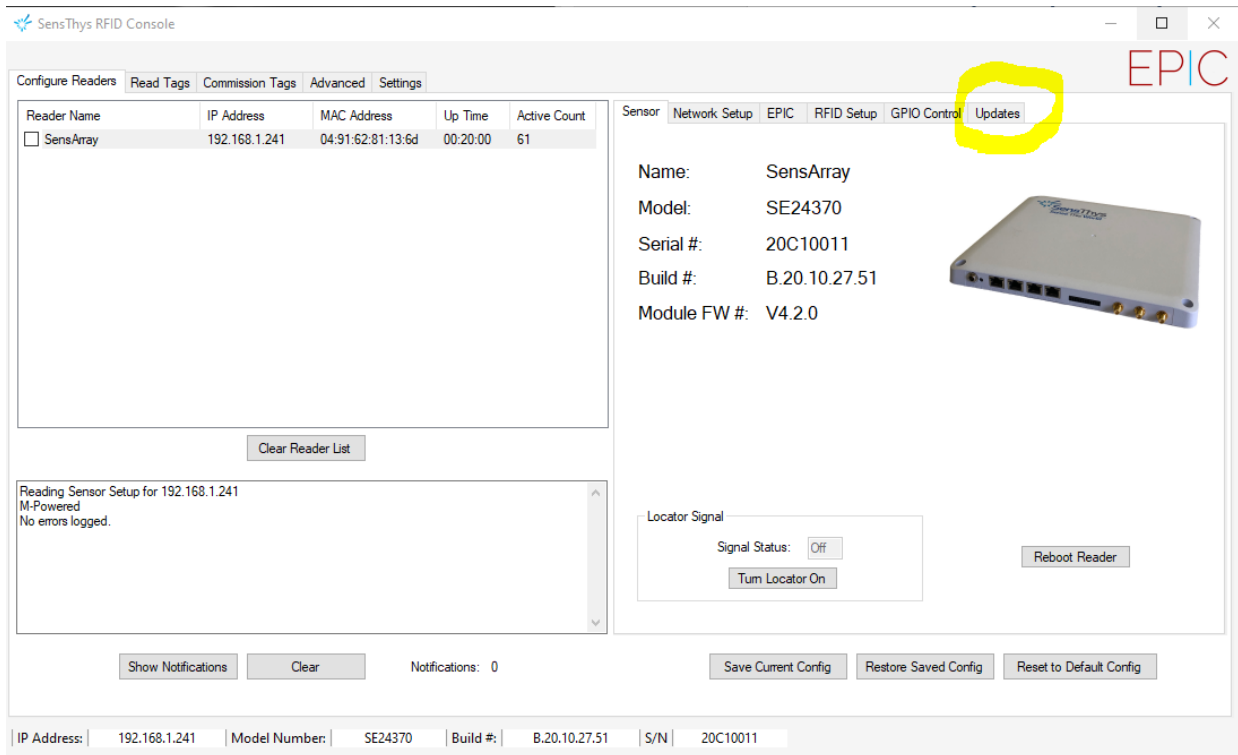


Figure 1 The home screen of the RFID Console.

First, select the reader you are going to work upon. Once you selected it, you should note some information.

In the section to the right, you will see the Model, Serial number, Build and Module FW. This update will upgrade the **Build** and its associated software pieces.

## Step 2 Update Tab



SensThys RFID Console

Configure Readers | Read Tags | Commission Tags | Advanced | Settings

Reader Name	IP Address	MAC Address	Up Time	Active Count
<input type="checkbox"/> SensArray	192.168.1.241	04:91:62:81:13:6d	00:20:00	61

Clear Reader List

Reading Sensor Setup for 192.168.1.241  
M-Powered  
No errors logged.

IP Address: 192.168.1.241 | Model Number: SE24370 | Build #: B.20.10.27.51 | S/N: 20C10011

Sensor | Network Setup | EPIC | RFID Setup | GPIO Control | **Updates**

Name: SensArray  
Model: SE24370  
Serial #: 20C10011  
Build #: B.20.10.27.51  
Module FW #: V4.2.0

Locator Signal  
Signal Status: Off  
Turn Locator On

Reboot Reader

Show Notifications | Clear | Notifications: 0 | Save Current Config | Restore Saved Config | Reset to Default Config

Figure 2 Select the Update tab.

Please select the **Update** tab, which will bring you to this screen.

### Step 3 Update the Reader

Next, please hit the **Browse** button. This will allow you to navigate to the folder that has the update files.

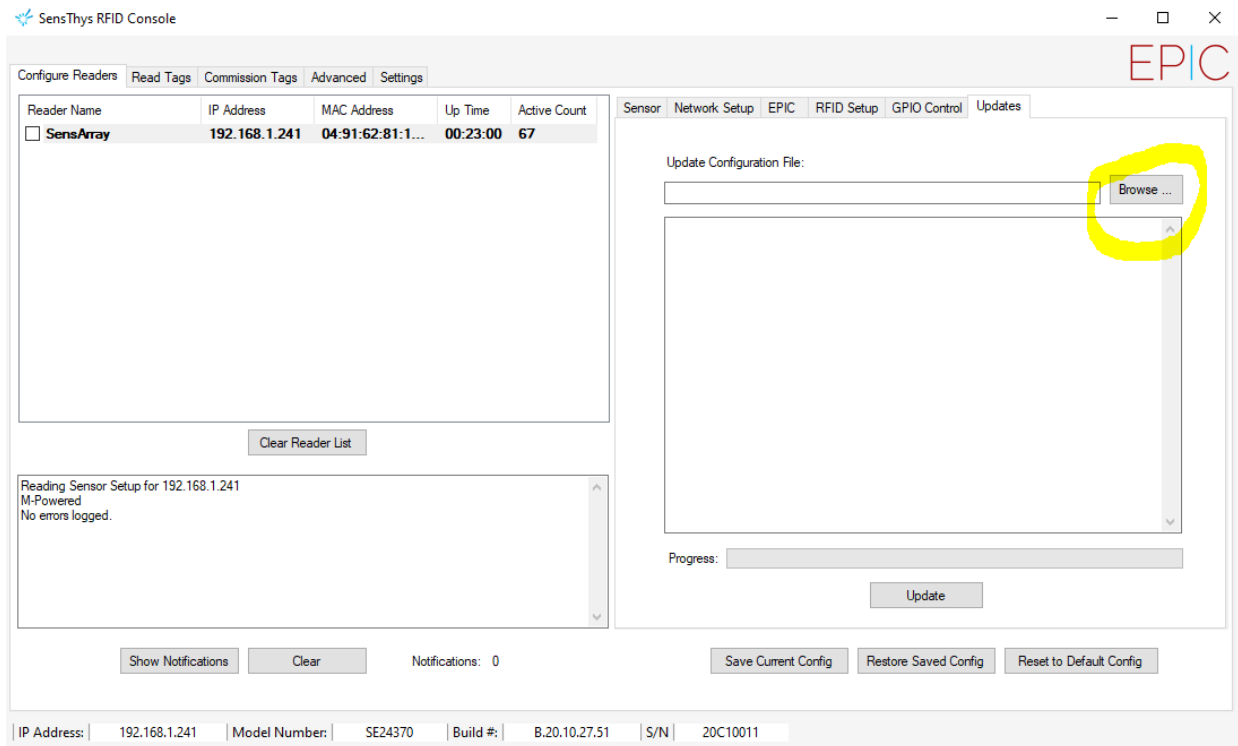
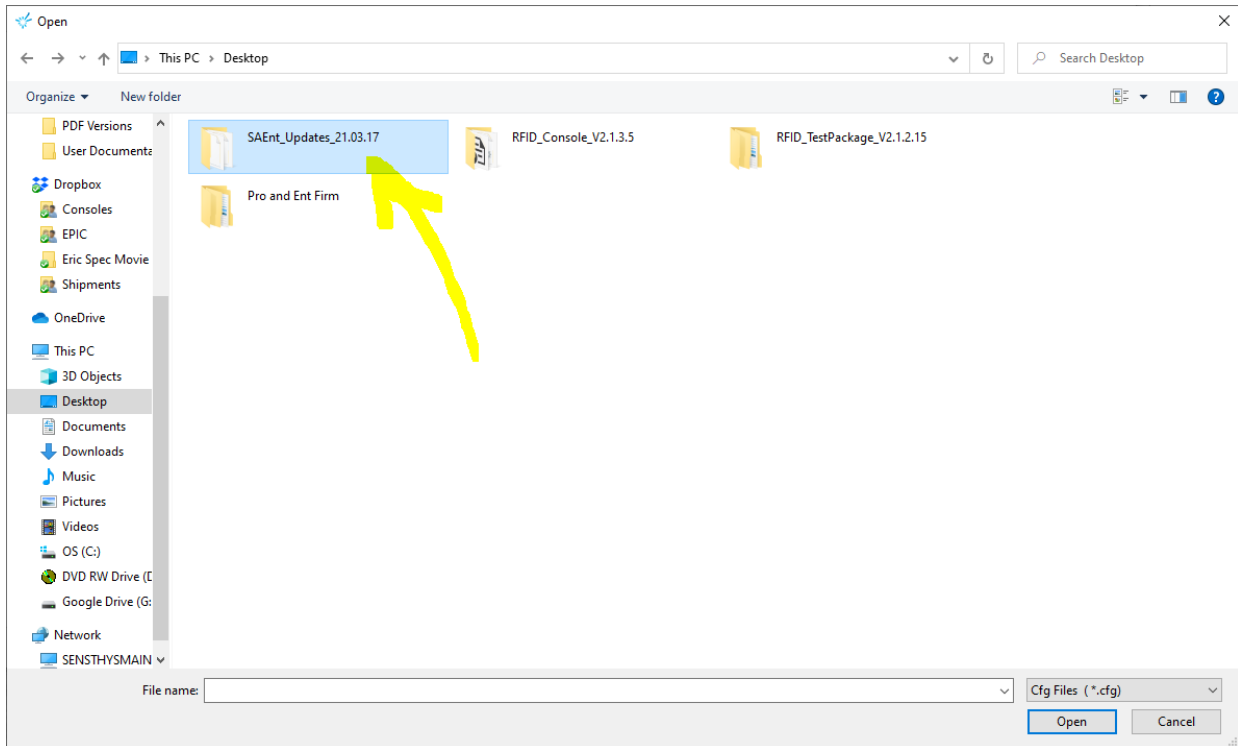


Figure 3 Select the Browse button.

After you hit **Browse**, you will need to navigate to see the folder that contains the update files. SensThys will provide you with these files, but you obviously have the choice of where you would like the folder stored within your system.



*Figure 4 Selecting the folder.*

Open the folder. The system is set to ONLY look for .cfg files, so once you open up the folder, you will see this-



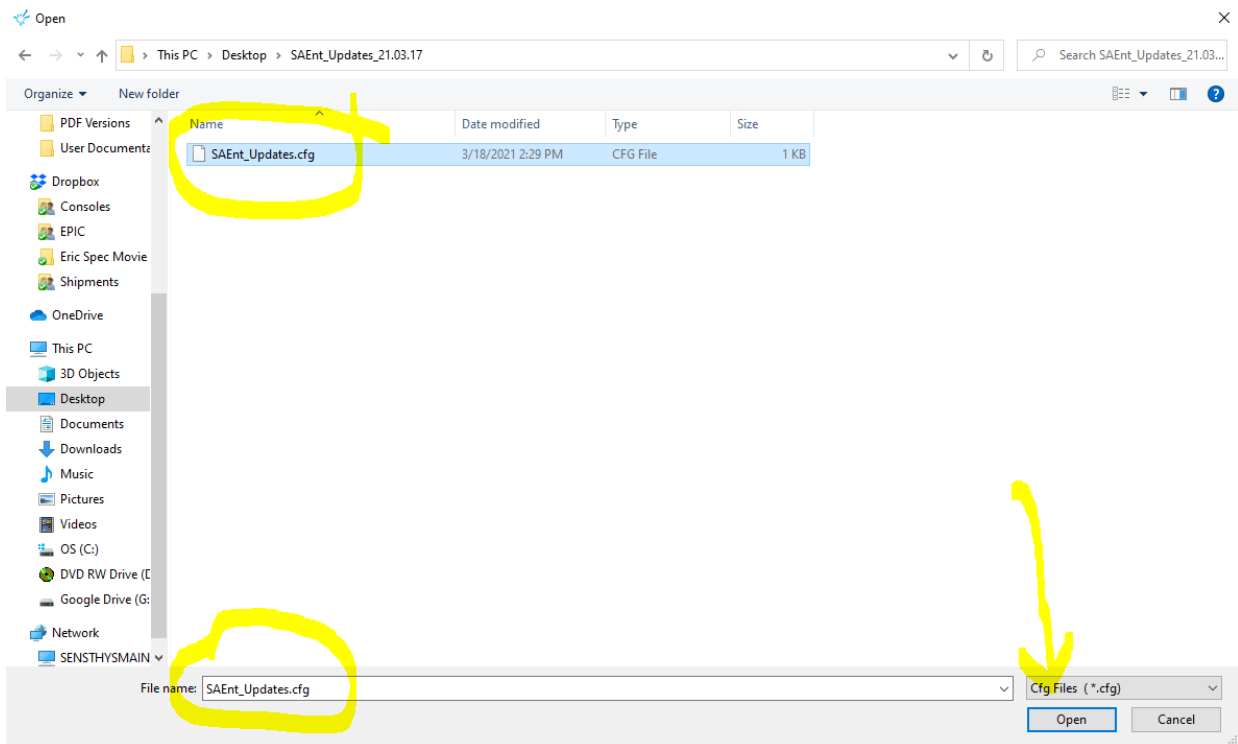


Figure 5 Selecting the .cfg file for the update.

Select the .cfg file so that it appears in the File name box, then hit **Open**.

This will take you back to the window in the RFID Console, and you will see that the location of the file has now populated the window.

Please select **Update**.

The system will check that you have selected the right .cfg file, and it will ask if you wish to continue with the update. Select **OK**.

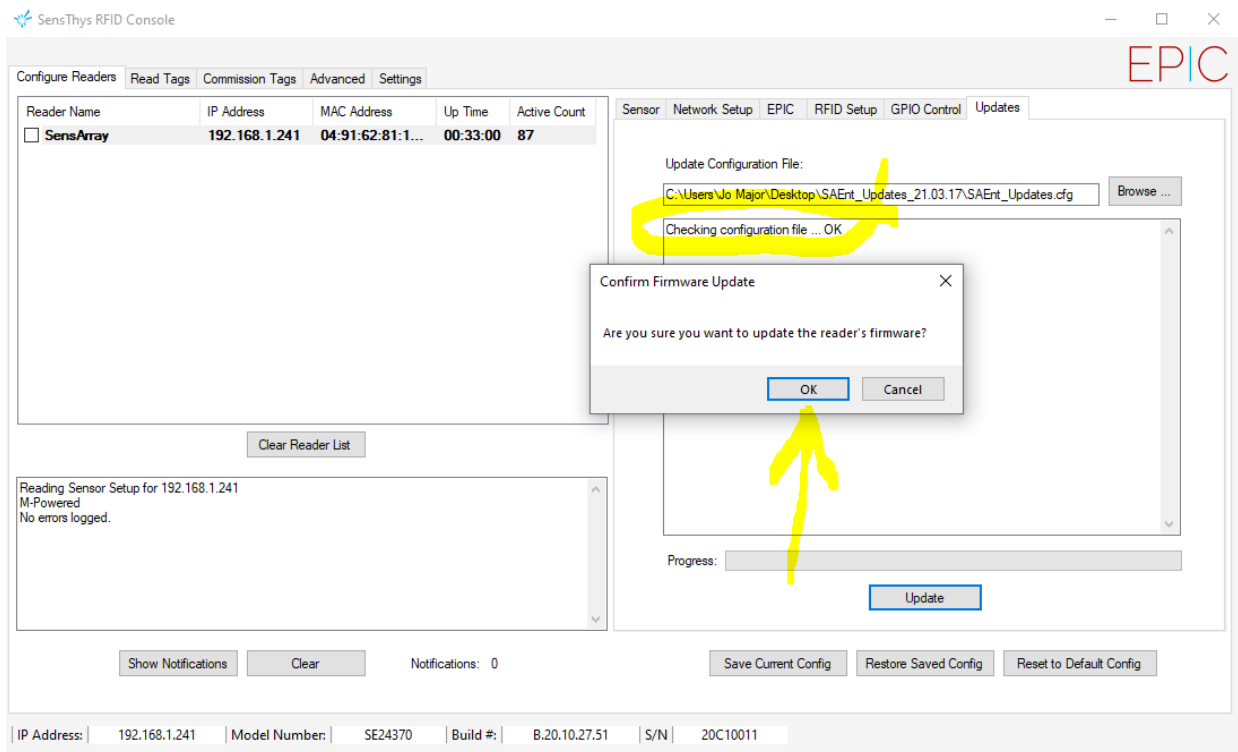
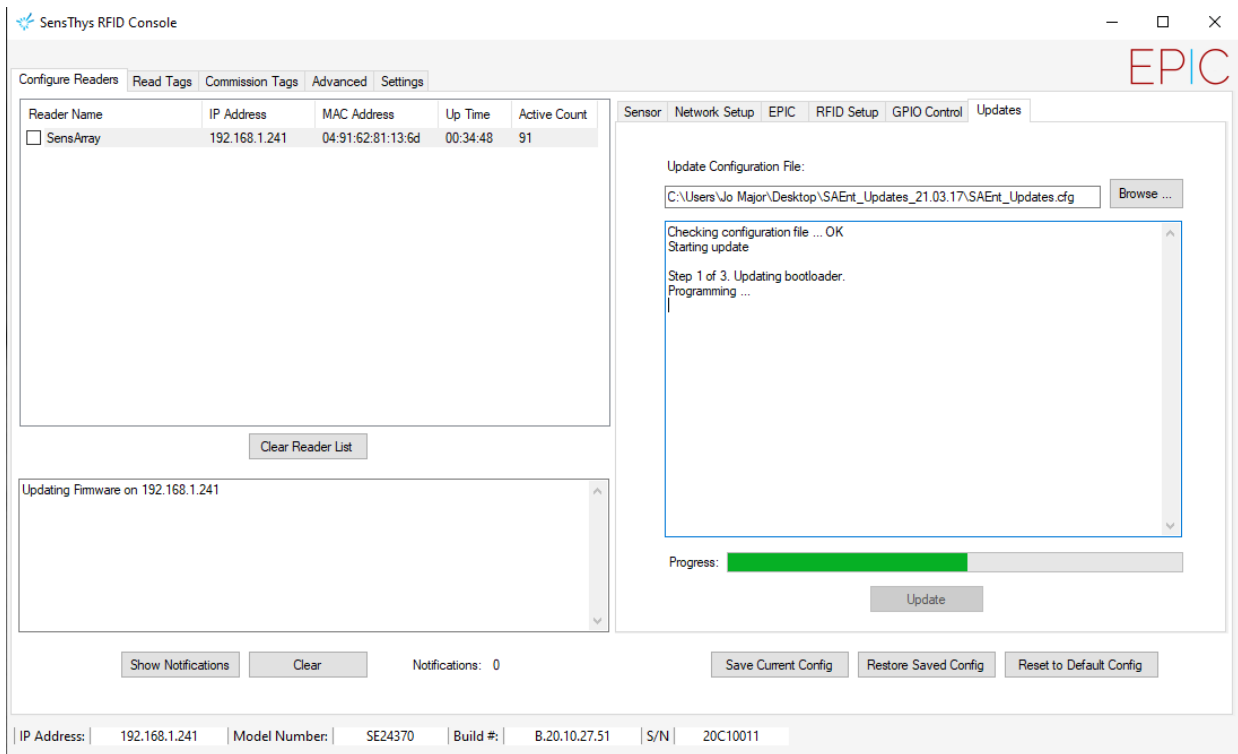


Figure 6 The .cfg file is confirmed. Hitting "OK" launches the update process.

The update process begins and looks like this....



*Figure 7 The update process has started.*

The entire process takes about 2 minutes. When finished, the screen will look like this...

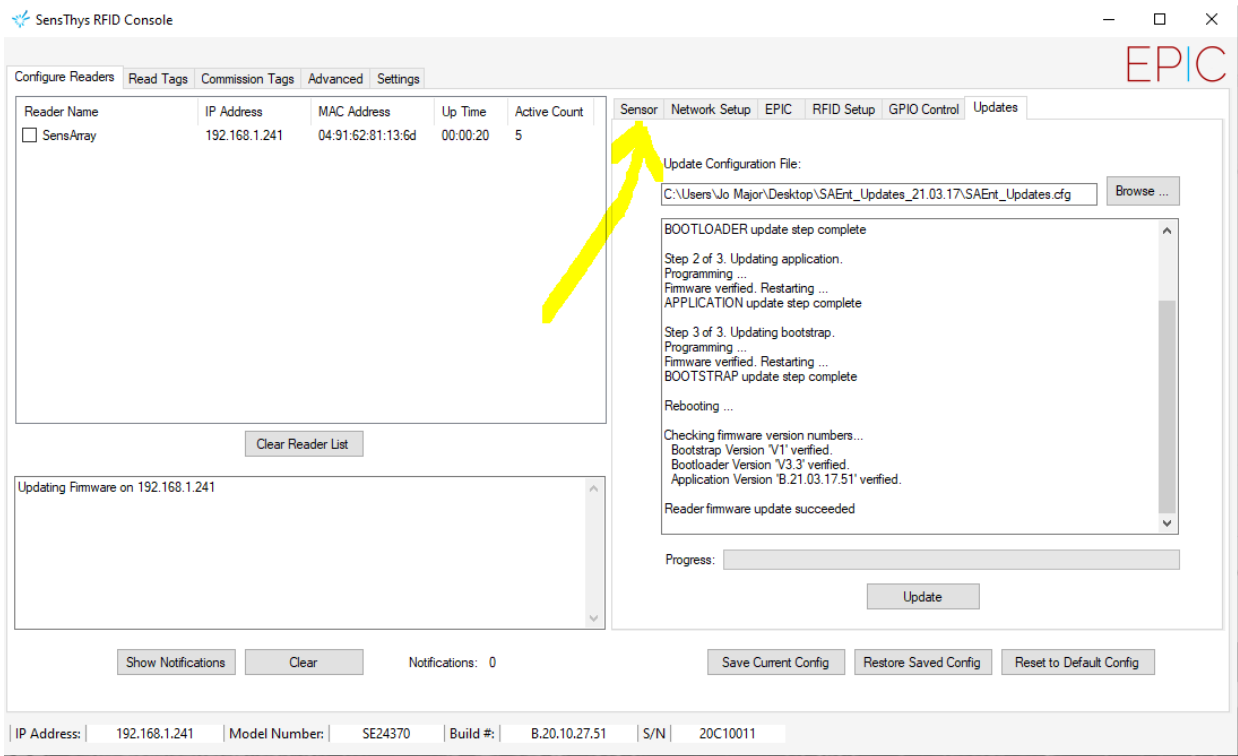


Figure 8 The update process is complete.

Next, let's confirm that all is good.

Please select **Sensor**. This screen appears, note that the Build number has not been revised. Click on the reader, and then note that the Build number has been updated.

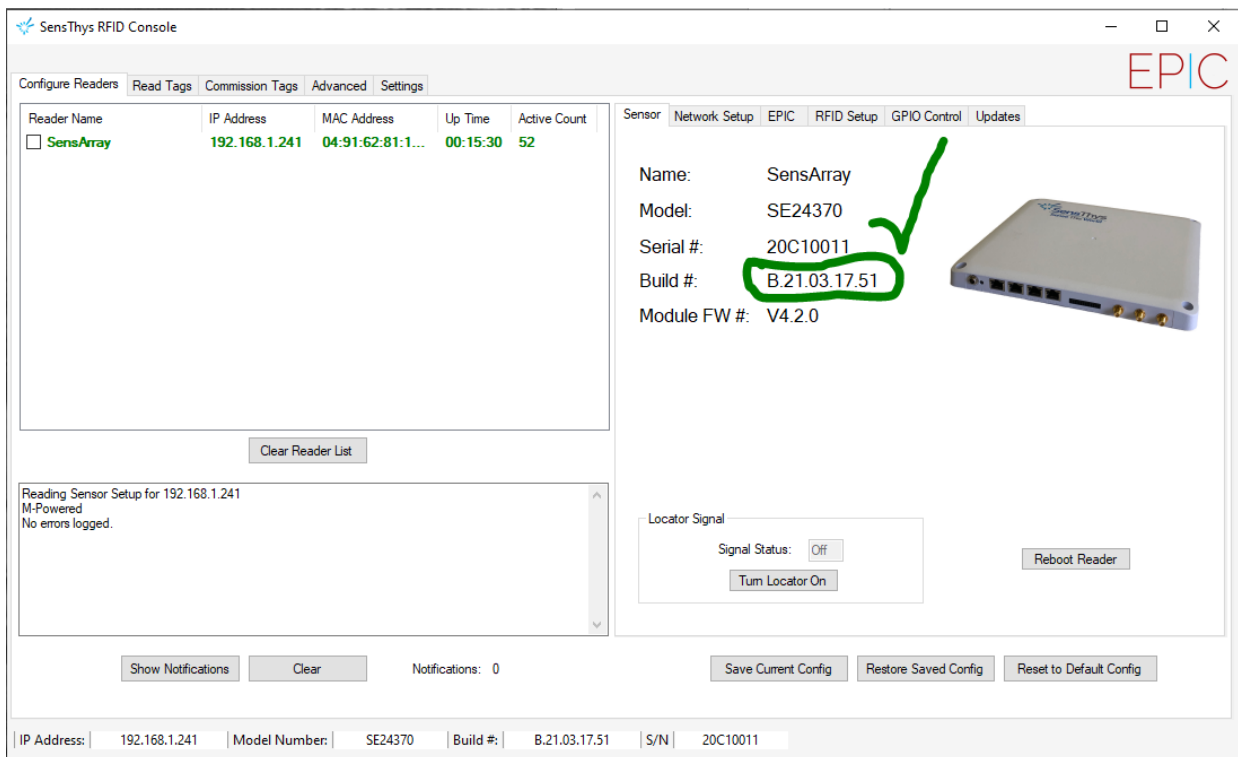


Figure 9 The reader build number shows the update process is complete.